

# Work Order ID 113576

February-24-14 9:58:43 AM

**\*113576\***

Page 1

Item ID: D4004-7

Accept

**\*N900040100\***

Setup Start

**\*NS1\***

Revision ID:

Item Name: Hose Clip

Stop

**\*NS2\***

Start Date: 2/24/14 Start Qty: 2.00

**\*2\***

Cust Item ID:

Required Date: 2/24/14 Req'd Qty: 2.00

**\*2\***

Customer:

Reference:

Approvals:

Process Plan: MLS

Date: 14-02-24

Tooling:

Date:

Run Start

**\*NR1\***

QC:

Date:

SPC (Y/N):

Date:

Stop

**\*NR2\***

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

Draw Nbr

Revision Nbr

D4004

B

100

0.00

**\*100\***

Purchasing

Purchasing

Memo

Issue P/O:

23178

Purchase part as per Dwg D4004

Part #:1722A42

Possible Supplier: McMaster Carr

Material release note required

0.00

CL 14/02/27 10

110

Receive & Inspect for Damage & Mat'l Certs

0.00

**\*110\***

Packaging

Packaging

Memo

0.00

14/3/3 (10)

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

Work Order: _____  Part No. _____  NCR No. _____	<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	<b>AGAINST DEPARTMENT/PROCESS</b>  <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

### FAULT CATEGORY

<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge  <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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**Work Order ID 113576**

February-24-14 9:58:43 AM

**\*113576\***

Page 2

Item ID: D4004-7

Accept

**\*N900040100\***Setup Start **\*NS1\***

Revision ID:

Stop **\*NS2\***

Item Name: Hose Clip

Start Date: 2/24/14 Start Qty: 2.00

**\*2\***

Cust Item ID:

Required Date: 2/24/14 Req'd Qty: 2.00

**\*2\***

Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start **\*NR1\***

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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120 QC6- Inspect dimensions to drawing

0.00

**\*120\***

QC

Memo

0.00

Quality Control

130 Identify as per dwg & Stock Location: ST243 0.00**\*130\***

Packaging

Memo

0.00

Packaging

140 QC21- Final Inspection - Work Order Release 0.00

**\*140\***

QC

Memo

0.00

Quality Control

1010x DAS  
28  
9-89 14-02-2814-03-0314-03-03

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

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# Picklist Print

February-24-14 9:58:43 AM

Page 1

Work Order ID: 113576

**\*113576\***

Parent Item: D4004-7

**\*D4004-7\***

Parent Item Name: Hose Clip

Start Date: 2/24/14

Required Date: 2/24/14

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP rev A 10.02.02 new issue Prelim EC verified by:DD IPP Rev:B  
10.05.17 as per ECN10-562 DD verf:EC IPP Rev:C 12.03.07 as  
per dwg rev.b DD verf: EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
1722A42		Purchased	No			100	Each	0.0000	1	2			
<b>*1722A42*</b>									<b>**</b>				
Holder													

*Pay/3/3 (10)*

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

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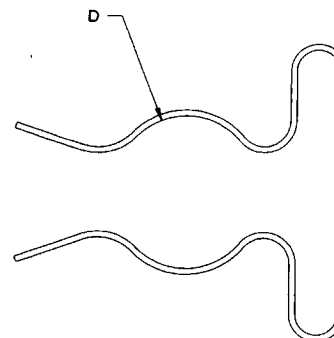
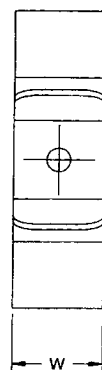
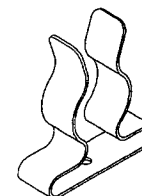
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Doc/Data									
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Process									
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Training									
Transport									
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### FAULT CATEGORY

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DART AEROSPACE PART NUMBER	JOHN CAMERON AVIATION PART NUMBER
D4004-7	N3 REF JCA-M47-2-19

## SPECIFICATION CONTROL DRAWING



RECEIVED  
11/3/27

113576 M.C.S.  
14-02-24

DART PART NUMBER	POSSIBLE SUPPLIER	SUPPLIER PART NUMBER	MATERIAL	FITS TUBE $\phi$ "D"	WIDTH "W"
D4004-7	MCMaster-CARR	1722A42	NICKEL PLATED STEEL	0.31 - 0.75	0.38

### D4004-X HOSE CLIP

RELEASED  
2012-03-02

#### NOTES:

- 1) MATERIAL: SEE TABLE
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
- 7) WEIGHT: 0.01 lbs

DESIGN	<i>AB</i>	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	<i>BC</i>		
CHECKED	<i>AB</i>	DRAWING NO. <b>D4004</b>	REV. B
MFG. APPR.	<i>BC</i>	TITLE	SCALE
APPROVED	<i>AB</i>	<b>SIDE RESTRAINT</b>	NTS
DE APPR.	<i>AB</i>	COPYRIGHT © 2010 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD</small>	
DATE	12.02.27		

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

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Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO23178

Purchase Order Date 2/27/2014

PO Print Date 2/27/2014

Page Number 1 of 3

**Order From :**

VU-MCM001

MCMaster-CARR SUPPLY CO,  
P.O. BOX 7690  
CHICAGO, IL 60680-7690  
US

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

FCI  
2/1/2014  
audenline

**Contact Name**

**Vendor Phone** 330 995 5500

**Ship To Contact**

**Ship To Phone**

**Ship Via:** FedEx PI collect

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #**

10127-2607

**Terms**

Net 10

**Currency**

USD

**FOB**

FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	8672K31  AS PER DWG D4287 REV. A B113570	UHMW U-Channel	3/4/2014 Yes 3/4/2014		16.00 f	\$3.26	\$52.16
Line Total:							\$52.16
2	1722A42  AS PER DWG D4004 REV. B B113576	Holder	3/4/2014 Yes 3/4/2014		10.00 Each	\$0.76	\$7.60
Line Total:							\$7.60
3	59915K274  AS PER DWG D4777 REV. A B113699	Rod End Bearing	3/4/2014 Yes 3/4/2014		50.00 Each	\$17.14	\$857.00

Rec'd  
Rec'd  
1-14/3/3

**Note:**

2/27/2014



200 Aurora Industrial Pkwy  
Aurora OH 44202-8087  
330-995-5500  
cle.sales@mcmaster.com

Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury ON K6A 1K7  
Canada

Purchase Order  
PO23178

Page 1 of 2

Order Placed By  
Chantal Lavoie

02/27/2014

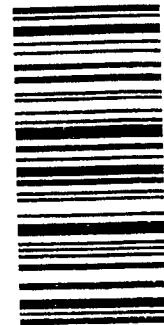
McMaster-Carr Number  
8474550-04

Line	Description	Ordered	Shipped	INST LNS	A81
3	1722A42 Tool Holder, Nickel-Plated Steel, for 5/16" - 3/4" Tool Diameter, Packs of 10	1 Pack	1	1 - 687 - 01	3
	Unit Price:	\$7.60		04 - 95 A42	
	Extended Price:	\$7.60		1 PK	
4	59915K274 PTFE-Lined Stainless Steel Ball Joint Rod End, 3/8"-24 Right-Hand Male Shank, 3/8" Ball ID, 1-1/4" L Thread	50 Each	40	3 - 481	4
	Unit Price:	\$17.14			
	Extended Price:	\$685.60			
5	92311A599 18-8 Stainless Steel Cup Point Set Screw, 5/16"-24 Thread, 5/8" Long, Packs of 50	6 Packs	6	2 - 696	5
	Unit Price:	\$10.80			
	Extended Price:	\$64.80			
6	9776K38 1" W X 75' L Loop, Adhesive Back, Beige, Lengths of 75	1 Length	1	1 - 455	6
	Unit Price:	\$81.95			
	Extended Price:	\$81.95			

Shipped separately from our Chicago warehouse on 02/27

Dart Aerospace Ltd

EXP  
INV  
NAFTA



9 lb.  
4 line.

Me  
12x12x12

FW1WBP15  
02/27/2014  
12:45/13:07  
591  
Cycle 44

1141035821315



